

## Houle, Brian (Crofton)

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**From:** Houle, Brian (Crofton)  
**Sent:** Monday, October 17, 2022 9:06 AM  
**To:** Houle, Brian (Crofton)  
**Subject:** Watershed update: Oct 17, 2022  
**Attachments:** 2022 Cowichan Bulletin #5\_October 14.pdf

Good morning,

Finally a break in the great weather with rainfall predicted within coming 7 days.

If the volume of rainfall that is predicted, arrives between Friday and next Monday, conditions in the lake will improve.

From 1987 we learned that after a drought of this nature, we need a at least 35 mm of rainfall to make an impact on lake levels.

The coming 7 days shows as much as 37 mm of rain and then on Tuesday next week, another 40-50 mm of rain is predicted.

Lake level continues down and river flow remains at 7 cms.

The prediction for the river is the last day of 7 cms will be on October 27<sup>th</sup>, next Thursday.

Rainfall is predicted to arrive before October 27<sup>th</sup> and if the rainfall arrives, the last day of 7 cms will push out.

Chinook Salmon continue to move into the river and attached is the latest DFO update on Salmon movement.

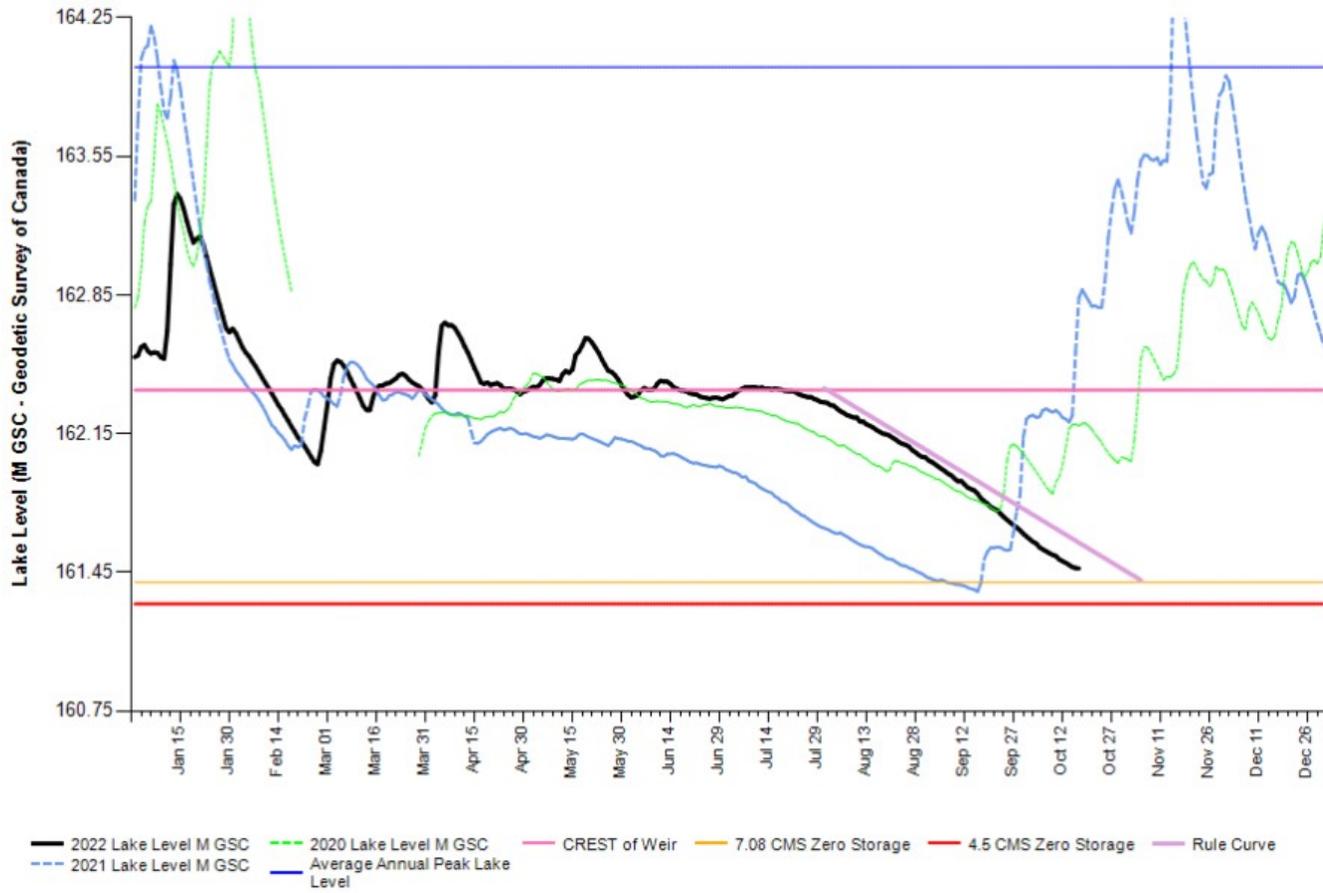
A total of 7,566 Chinook Salmon have been recorded through the fence as October 14<sup>th</sup> and that exceeds DFO escapement target.

Mill plans to be ready with pumps and with DFO authorizations to approve the use of pumps is in progress.

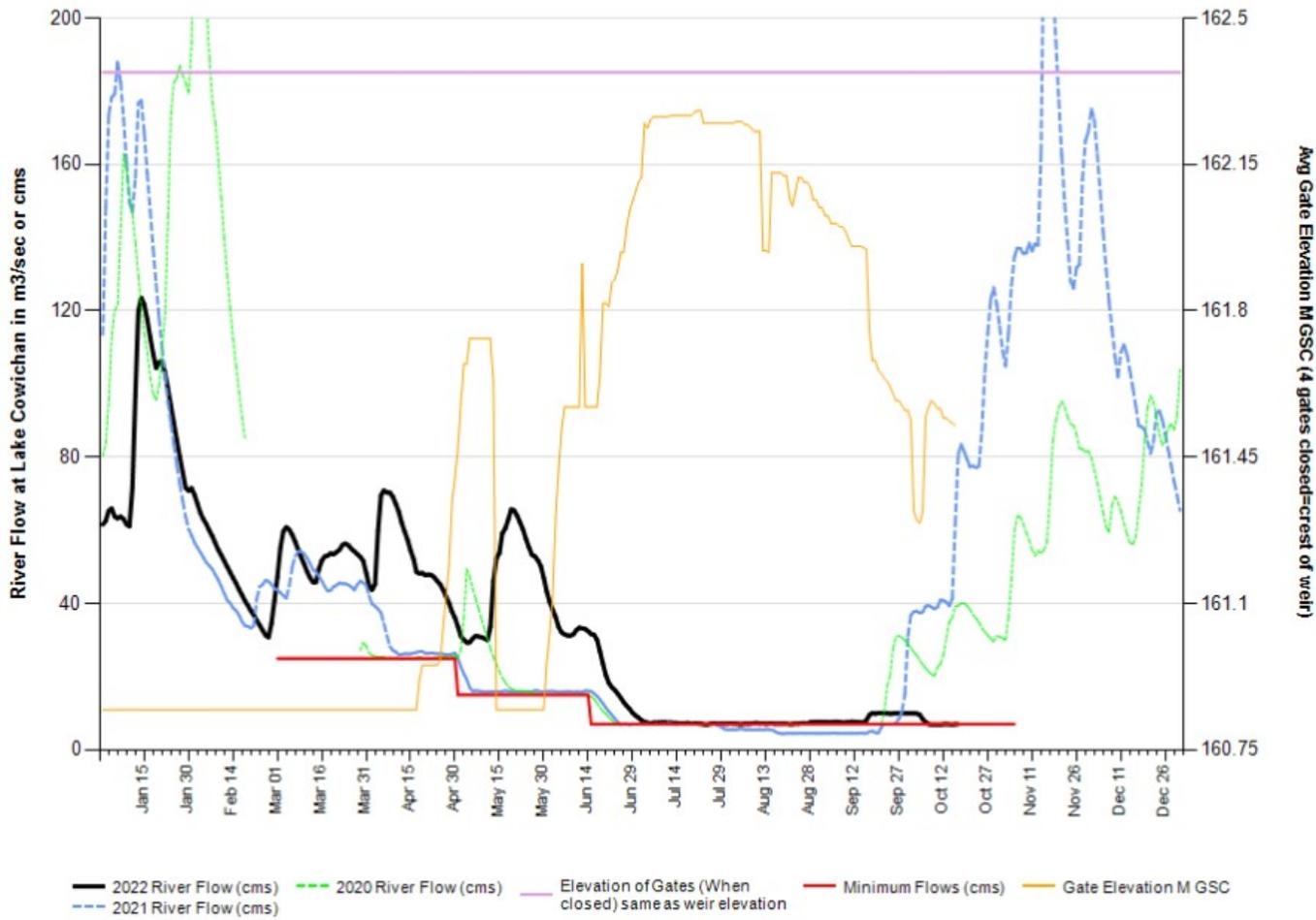
If the rainfall that is predicted arrives, and the lake level rises high enough, the plan to use pumps will be cancelled.

Regards,  
Brian Houle  
Manager, Environment  
Catalyst Crofton  
250-246-6236

2022 Cowichan Lake Level - 2022 (Black) & 2021 (Blue) & 2020 (Green)



2022 Cowichan River Flow - 2022 (Black) & 2021 (Blue) & 2020 (Green)



# Next 7 Days



	Tue 10/18	Wed 10/19	Thu 10/20	Fri 10/21	Sat 10/22	Sun 10/23	Mon 10/24
	Mainly sunny	Sunny	Mainly sunny	Rain	A mix of sun and clouds	Rain	Chance of a shower
	20°	23°	19°	11°	10°	8°	8°
Feels like	20	23	19	10	9	5	7
Night	10°	11°	9°	6°	5°	5°	3°
POP	20 %	10 %	20 %	70 %	20 %	60 %	40 %
Wind (km/h)	4 SE	7 NW	5 E	9 SW	13 W	20 SE	19 SW
Wind gust (km/h)	6	11	8	14	20	30	29
Hrs Of Sun	8 h	9 h	7 h	1 h	5 h	1 h	4 h
24 Hr Rain	-	-	-	10-15 mm	<1 mm	~20 mm	<1 mm

# 14 Days

Oct 18 - Oct 31

PREVIOUS 7 DAYS

	Tue 10/25	Wed 10/26	Thu 10/27	Fri 10/28	Sat 10/29	Sun 10/30	Mon 10/31
	Rain	A mix of sun and clouds	Cloudy with showers	Light rain	Sunny	Sunny	Cloudy with showers
							
	6°	6°	7°	7°	8°	8°	8°
Feels like	5	6	7	7	8	8	7
Night	3°	3°	3°	5°	5°	5°	5°
POP	60 %	30 %	60 %	60 %	20 %	10 %	60 %
Wind (km/h)	7 E	11 W	3 S	7 SW	5 E	5 E	10 SW
Wind gust (km/h)	11	17	5	11	8	8	15
24 Hr Rain	40 - 50 mm	-	~5 mm	~5 mm	-	5-10 mm	1-3 mm

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